

## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1-6. (Cancelled)

7. (Currently amended) A method for matching partner-seeking individuals in a dating service, comprising the steps of:

determining the MHC Class I and Class II genetic profiles of a plurality of said individuals;

performing a plurality of comparisons between said profiles for [[a]] said plurality of said individuals, wherein a greater level of heterozygosity between a pair of individuals for both of said MHC Class I and Class II genetic profiles is indicative of a greater level of compatibility; and

matching said individuals based on said level of heterozygosity; and selectively communicating the results of said matching to said individuals.

8. (Currently amended) The method of claim [[1]] Z, wherein said comparisons are performed for all of said individuals.

9. (Currently amended) The method of claim [[1]] Z, wherein said profiles includes the HLA-A and HLA-B loci in the Class I region, and the DRB1 locus in the Class II region.

10. (Currently amended) The method of claim [[1]] Z, wherein compatibility of said individuals is also determined using other processes.

11. (Previously presented) The method of claim 10, wherein said other processes comprise compatibility determination based on one or more of aesthetic, psychological, geographic, professional, behavioral, preferred hobbies, preferred activities, and intelligence characteristics.
12. (Previously Presented) The method of claim 10, wherein said matching based on levels of heterozygosity is used to confirm that partners matched with said other processes do not have natural scents offensive to each other.
13. (Currently amended) The method of claim [[6]] Z, wherein said determining step comprises obtaining sample genetic material from said plurality of individuals and typing said genetic material to determine said individuals' MHC Class I and Class II profiles.